

FIG. 1

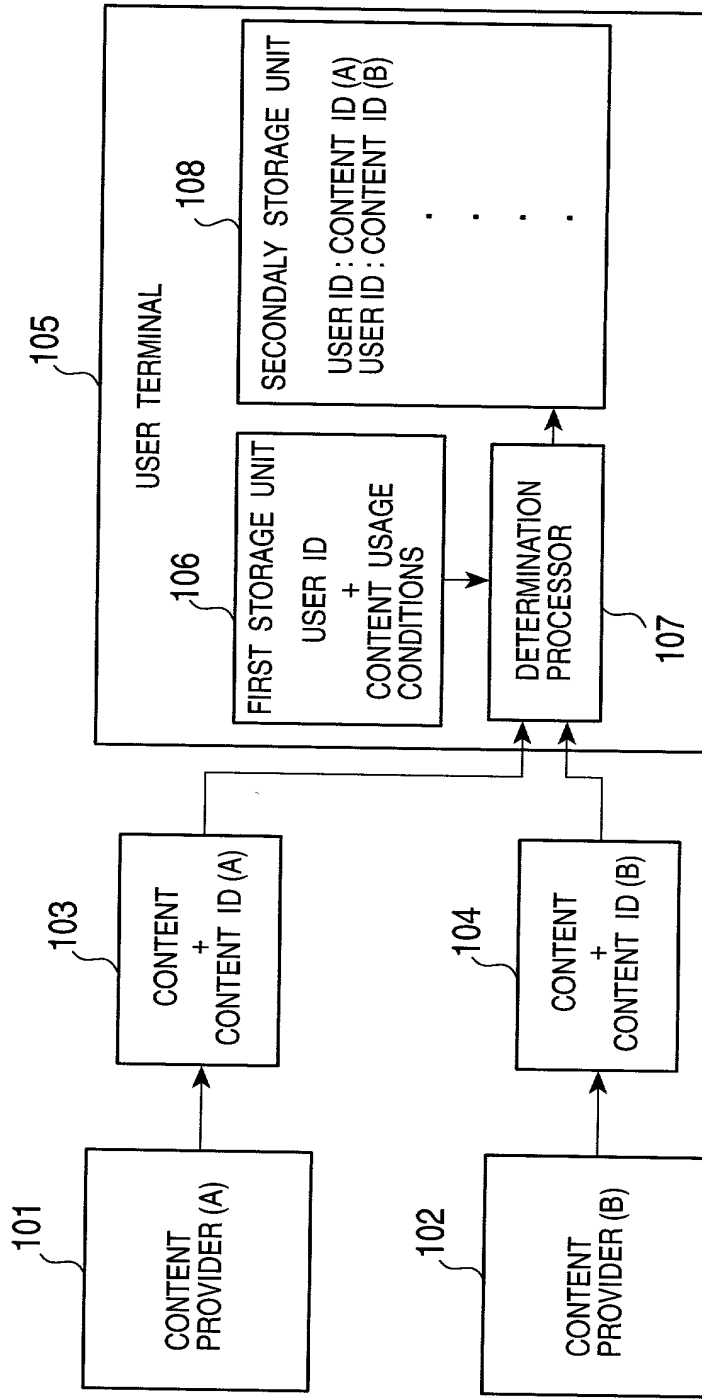


FIG. 2

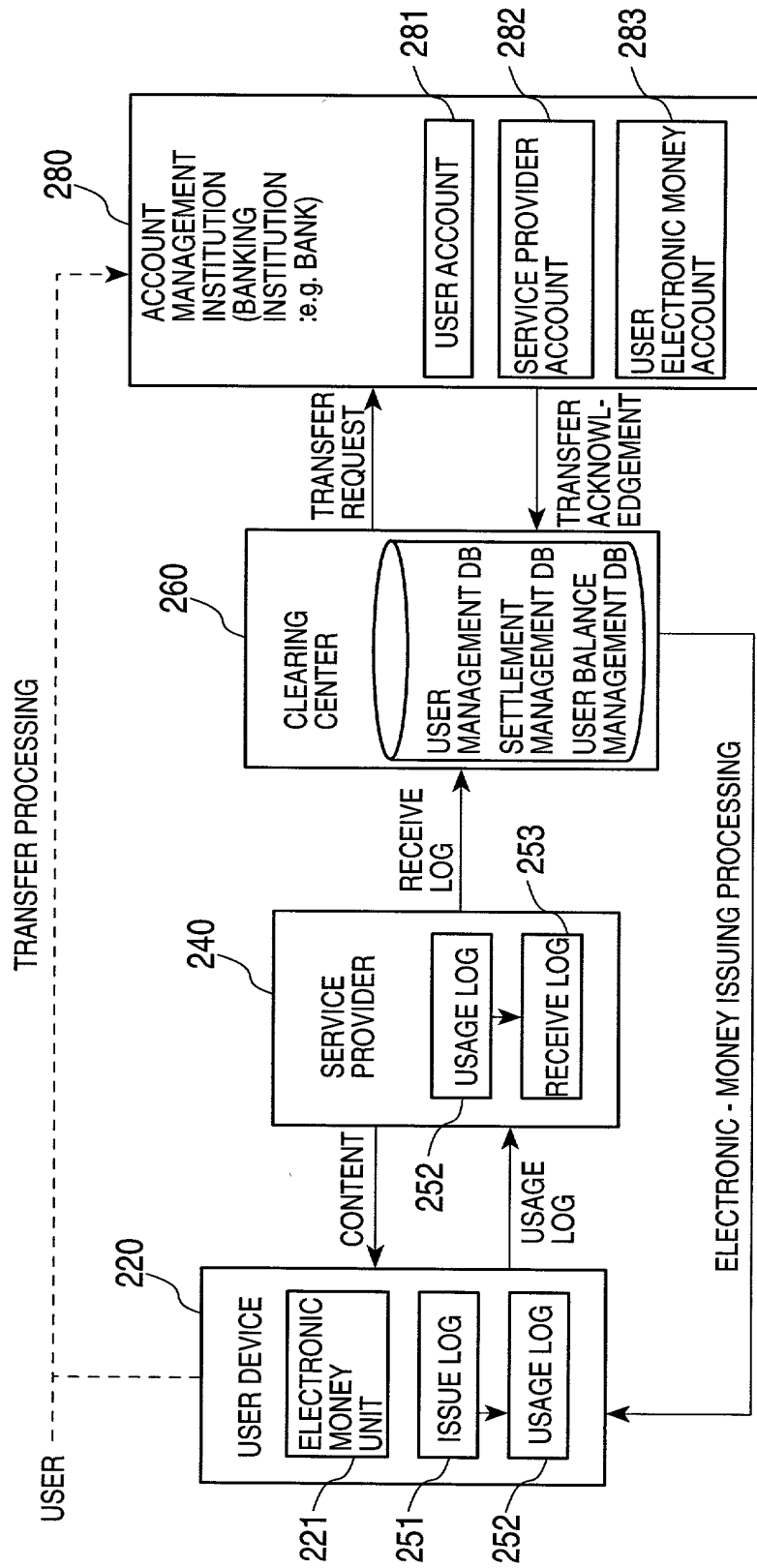


FIG. 3

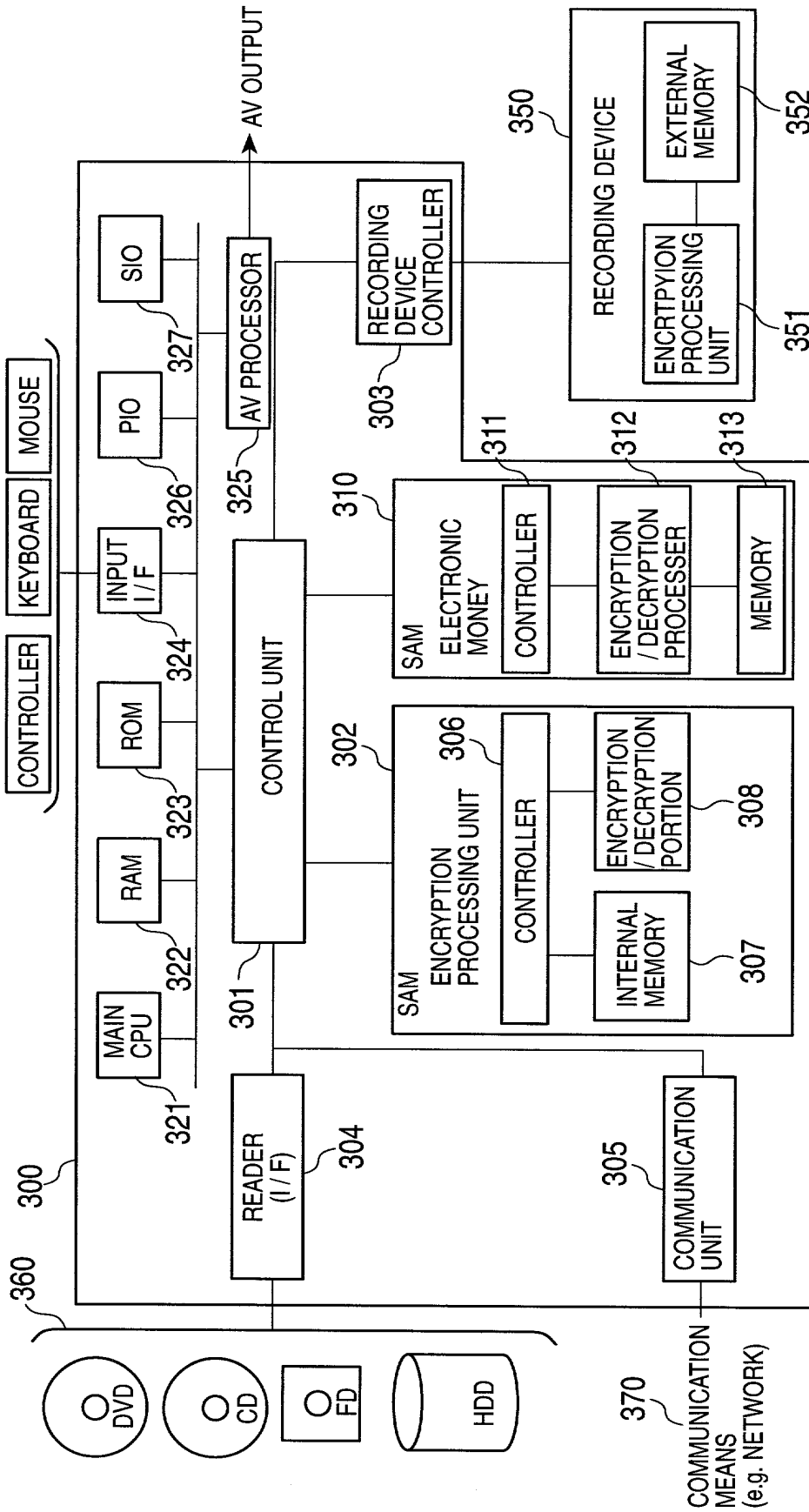


FIG. 4

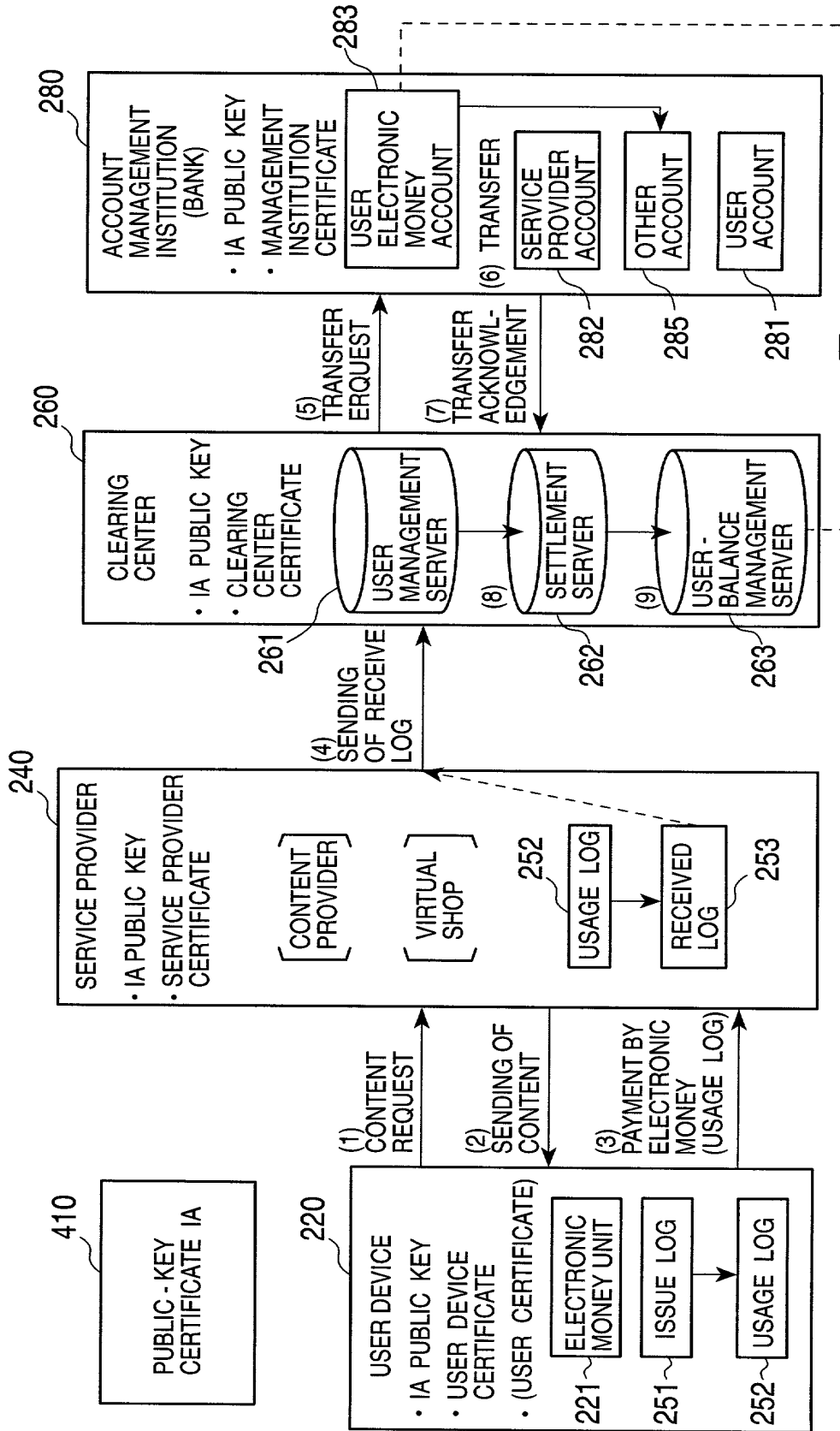


FIG. 5

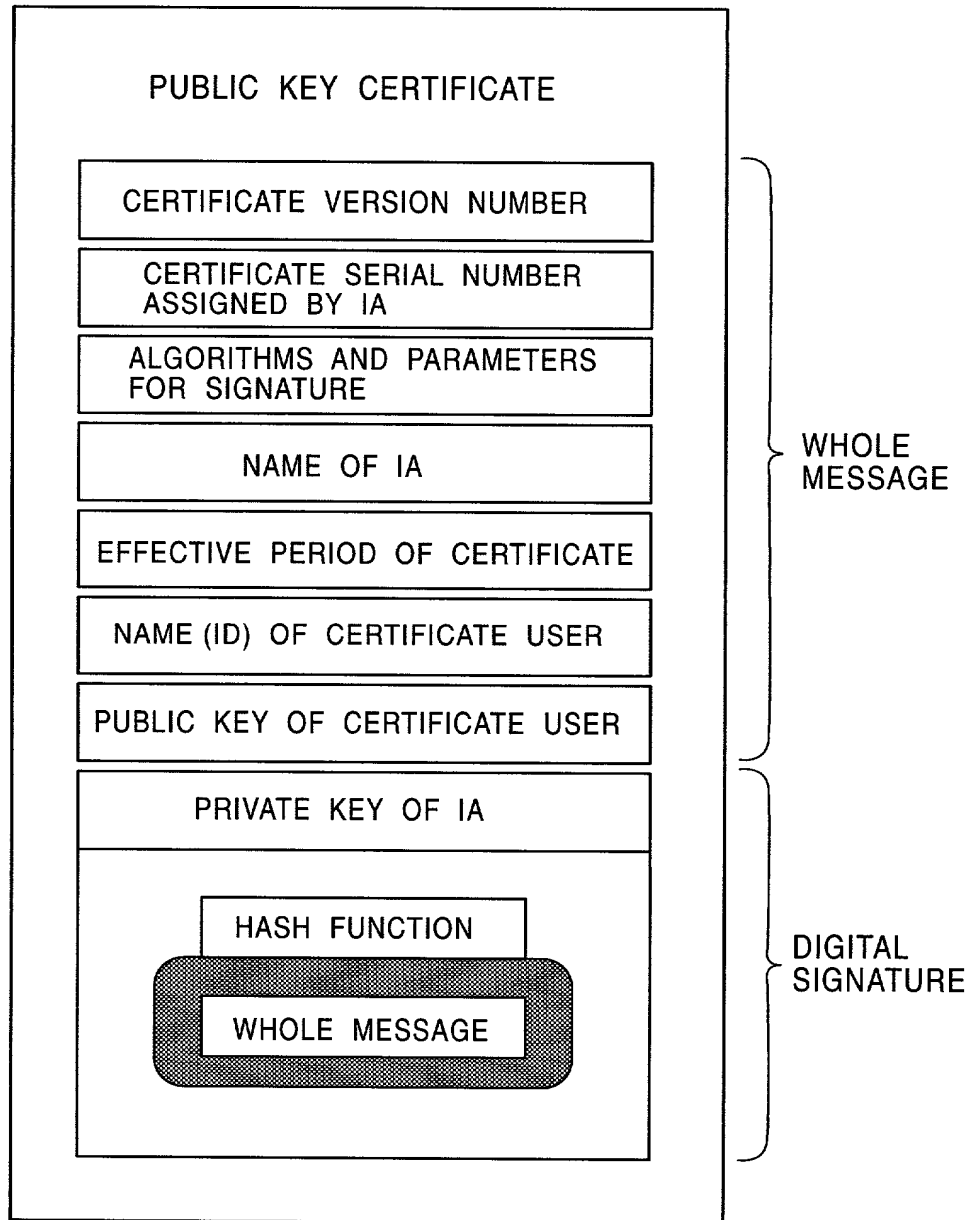


FIG. 6

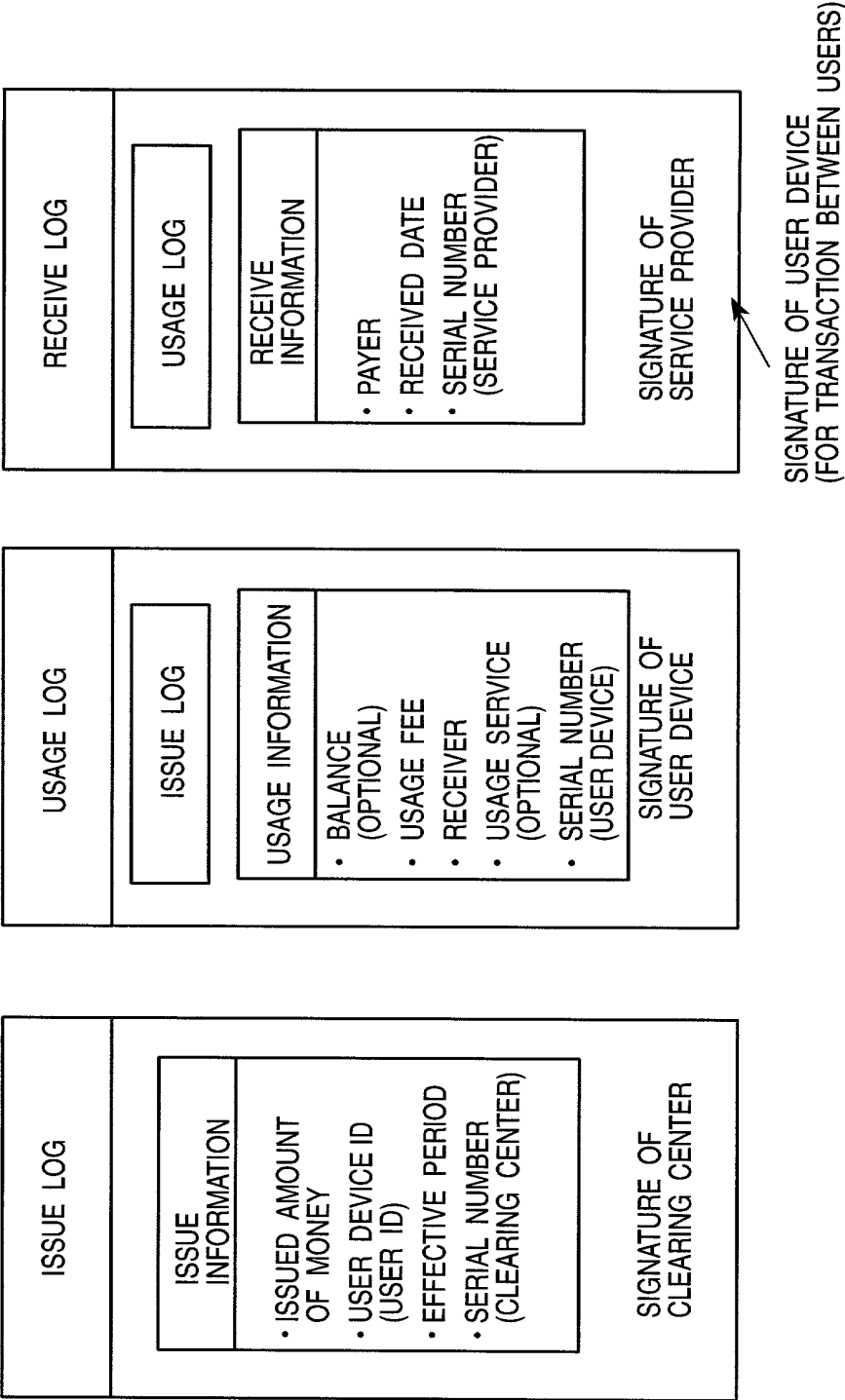
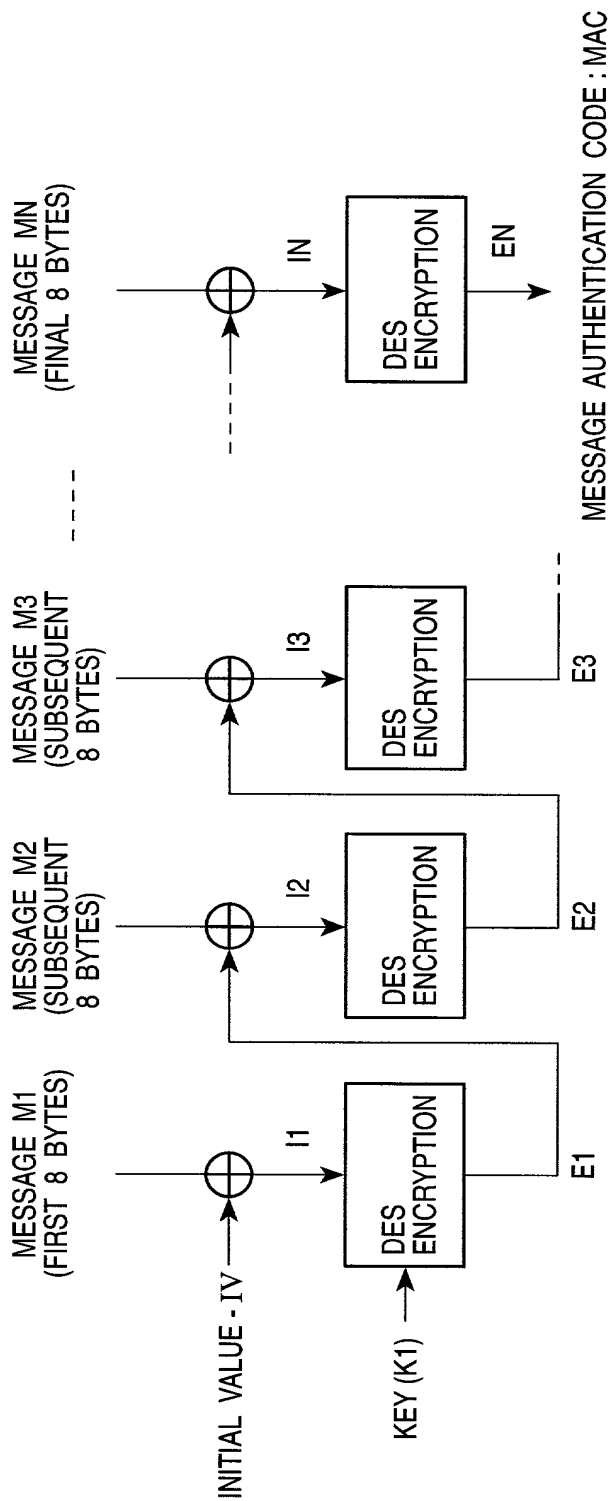


FIG. 7



\oplus : EXCLUSIVE - OR (UNIT OF 8 BYTES)

FIG. 8

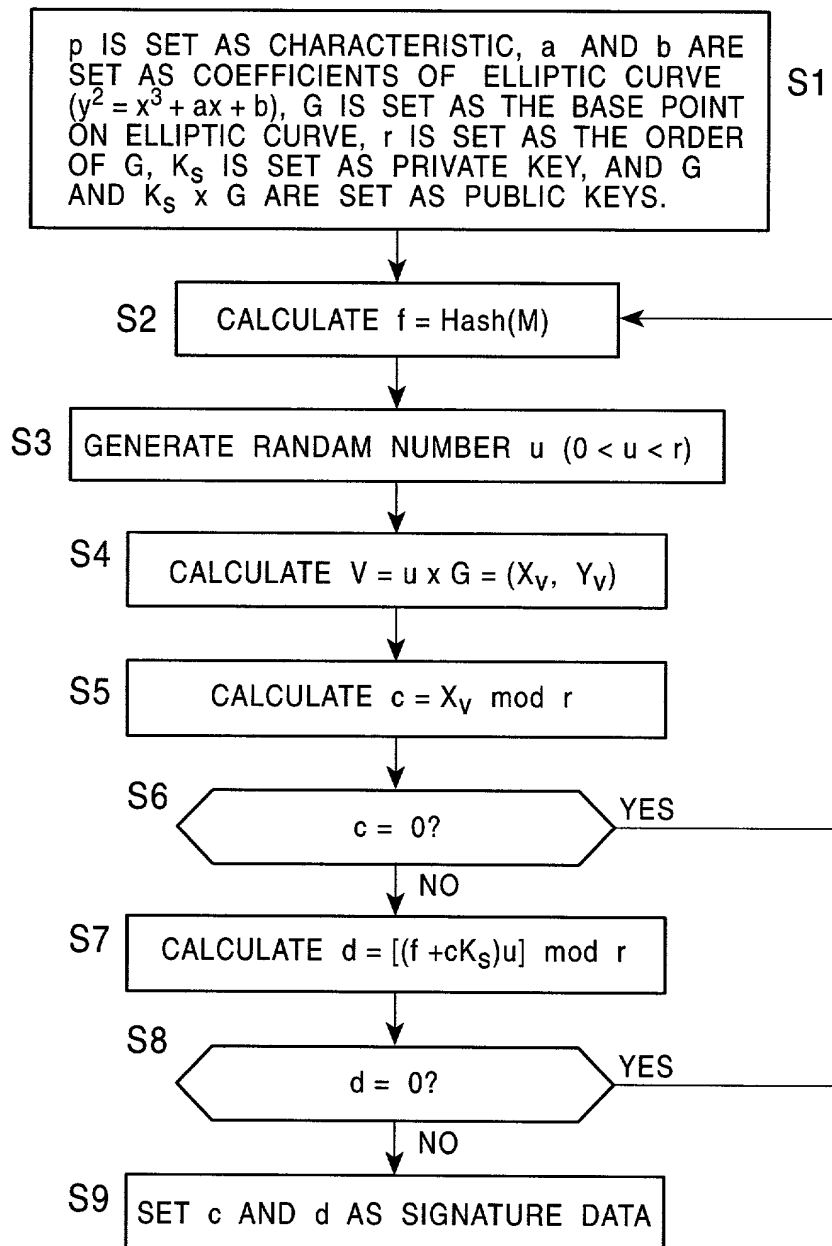


FIG. 9

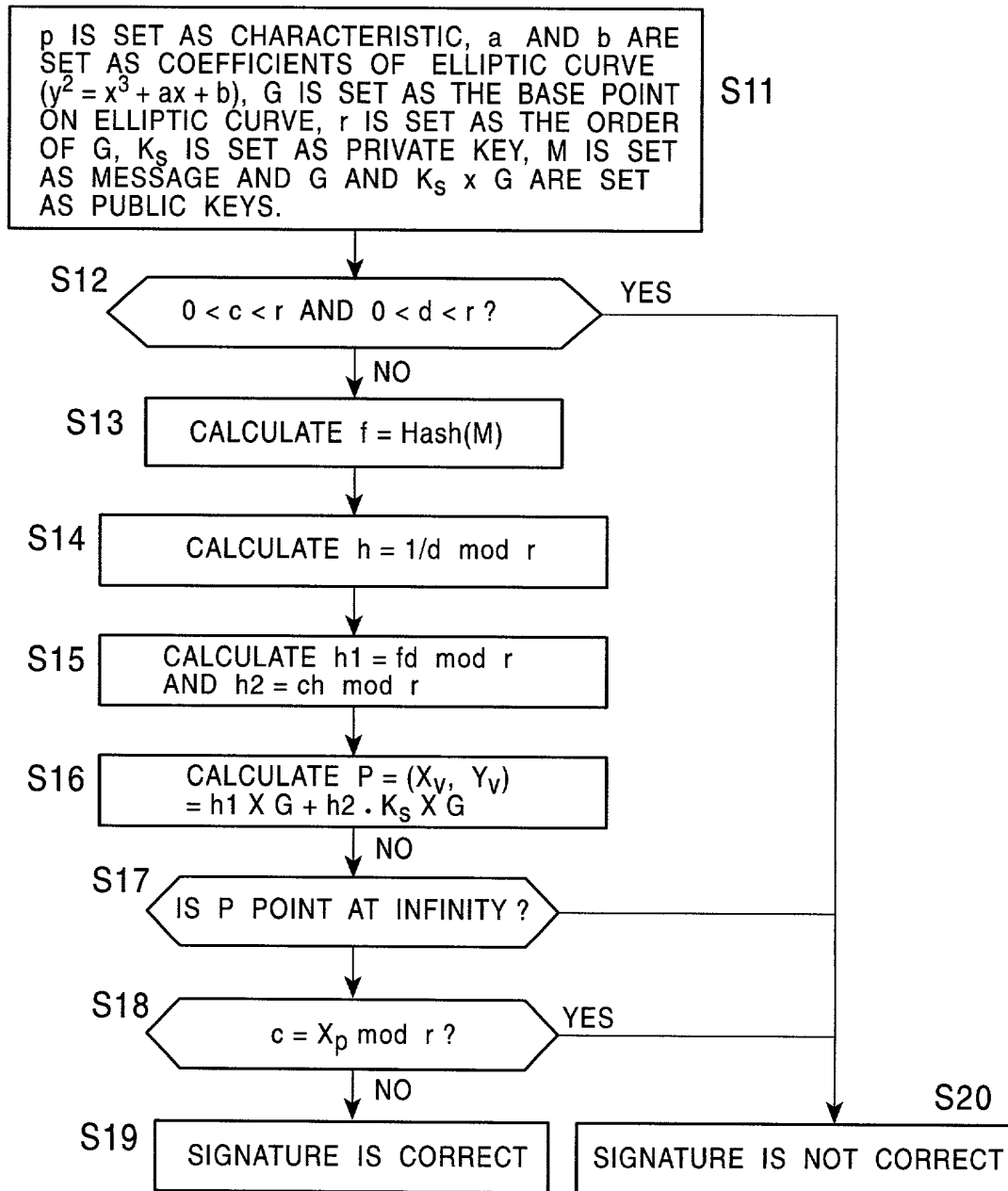


FIG. 10

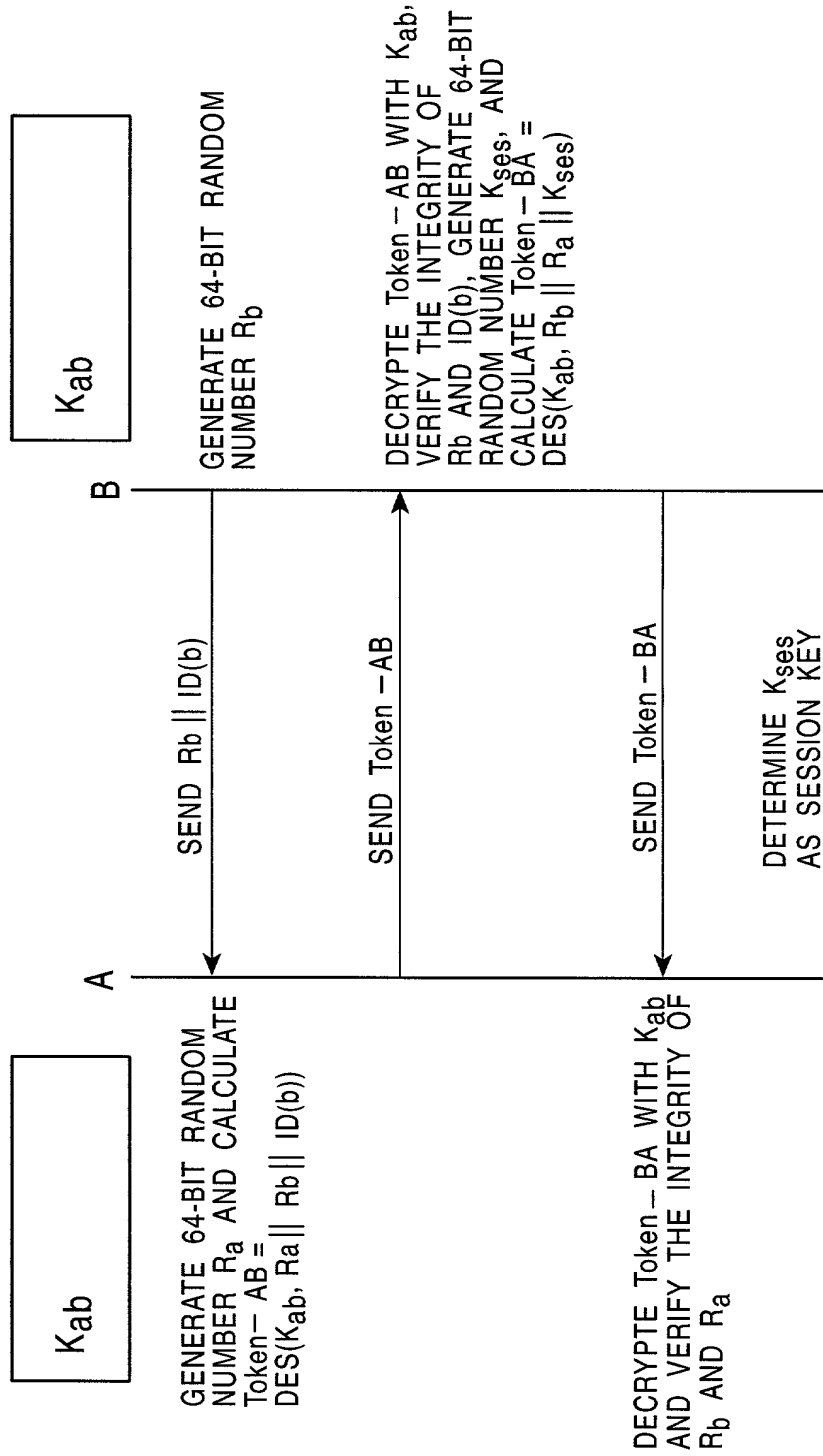


FIG. 11

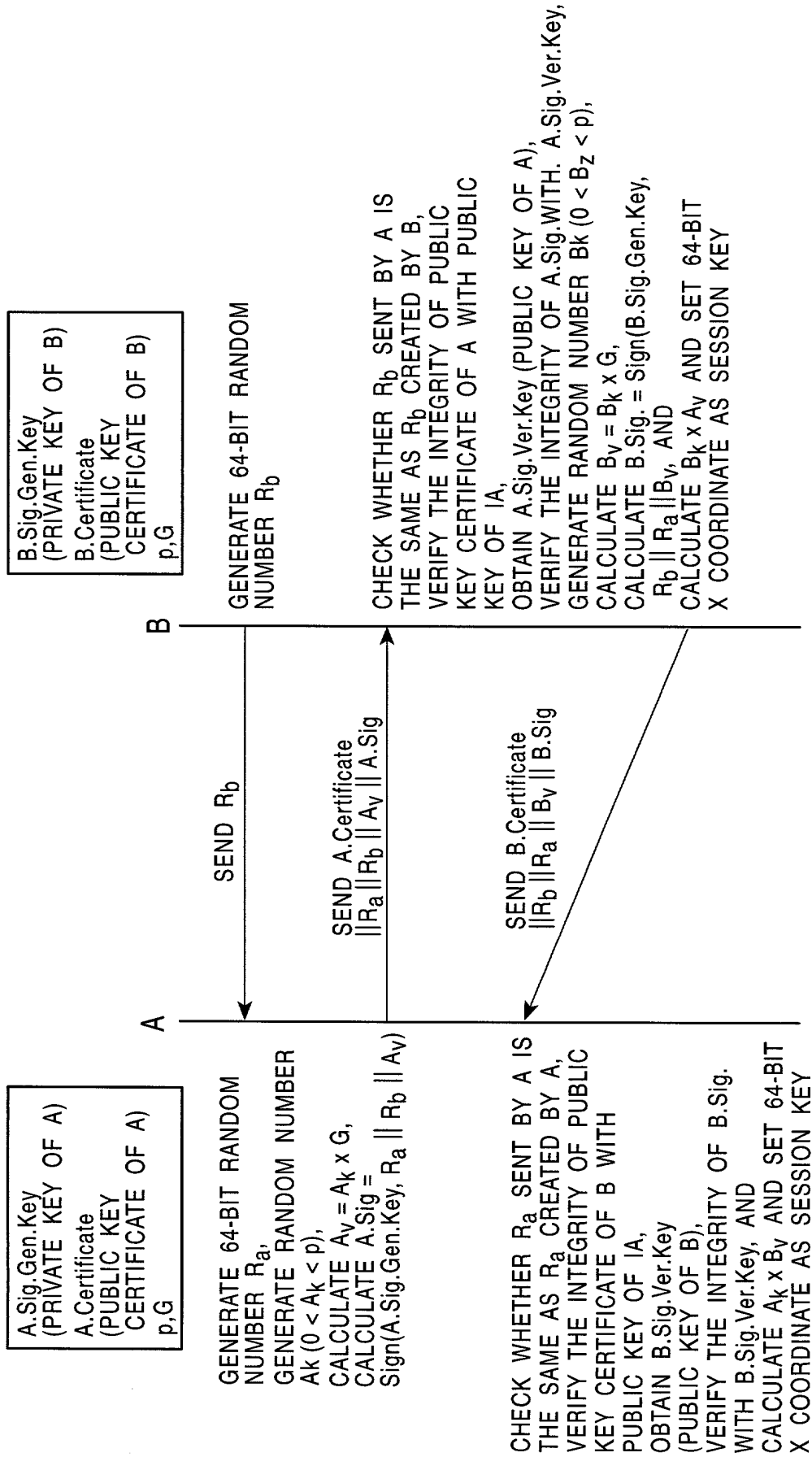


FIG. 12

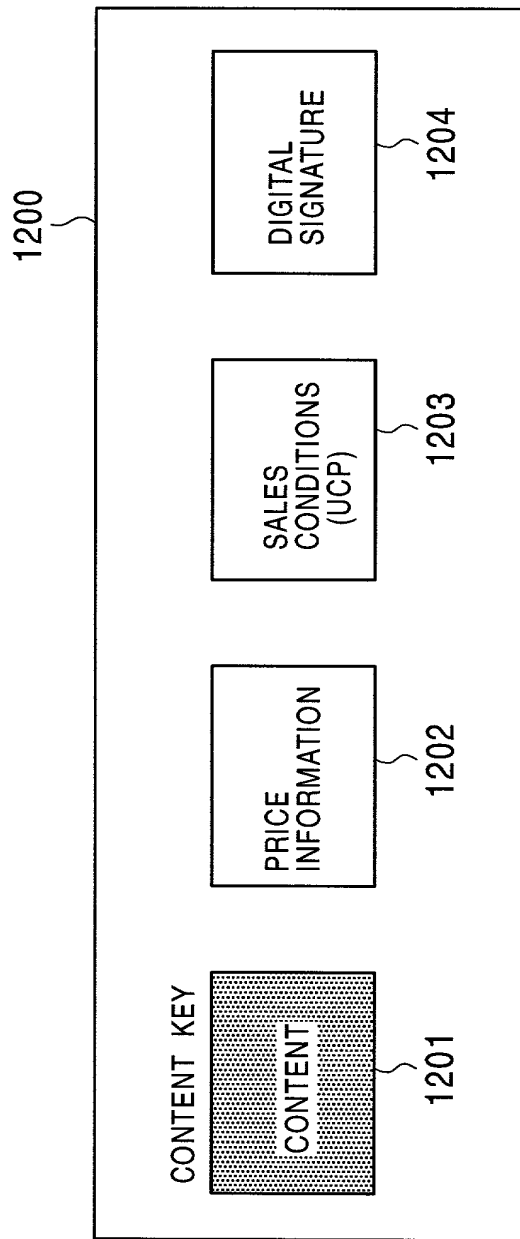


FIG. 13

1301

| | |
|---------------------------------------|---|
| DATA TYPE | |
| UCP TYPE | |
| UCP EFFECTIVE PERIOD | |
| CONTENT ID | |
| CONTENT PROVIDER ID | |
| UCP ID | |
| UCP VERSION | |
| AREA CODE | |
| USABLE DEVICE CONDITIONS | |
| USABLE USER CONDITIONS | |
| SERVICE PROVIDER ID | |
| UCP GENERATION MANAGEMENT INFORMATION | |
| NUMBER OF SECONDARY DELIVERIES | |
| NUMBER OF RULES | |
| RULE ADDRESS | |
| RULE 1 | RULE NUMBER |
| | RIGHT-OF-USE TYPE |
| | RIGHT-OF-USE TYPE SALES PRICE |
| | CONTENT PROFIT DISTRIBUTION INFORMATION |
| | DATA SIZE |
| | : |
| : | : |
| RULE N | RULE NUMBER |
| | RIGHT-OF-USE TYPE |
| | RIGHT-OF-USE TYPE SALES PRICE |
| | CONTENT PROFIT DISTRIBUTION INFORMATION |
| | DATA SIZE |
| | : |
| (WHETHER SIGNATURE HAS BEEN VERIFIED) | |
| PUBLIC KEY CERTIFICATE | |
| SIGNATURE | |

FIG. 14

1401

| | |
|---------------------------------------|---|
| DATA TYPE | |
| PRICE INFORMATION TYPE | |
| PRICE INFORMATION EFFECTIVE PERIOD | |
| CONTENT ID | |
| SERVICE PROVIDER ID | |
| PRICE INFORMATION ID | |
| PRICE INFORMATION VERSION | |
| AREA CODE | |
| USABLE DEVICE CONDITIONS | |
| USABLE USER CONDITIONS | |
| CONTENT PROVIDER ID | |
| UCP ID | |
| NUMBER OF RULES | |
| RULE ADDRESS | |
| RULE 1 | RULE NUMBER |
| | CONTENT PROFIT DISTRIBUTION INFORMATION |
| | PRICE |
| | DATA SIZE |
| | : |
| : | : |
| RULE N | RULE NUMBER |
| | CONTENT PROFIT DISTRIBUTION INFORMATION |
| | PRICE |
| | DATA SIZE |
| | : |
| (WHETHER SIGNATURE HAS BEEN VERIFIED) | |
| PUBLIC KEY CERTIFICATE | |
| SIGNATURE | |

FIG. 15

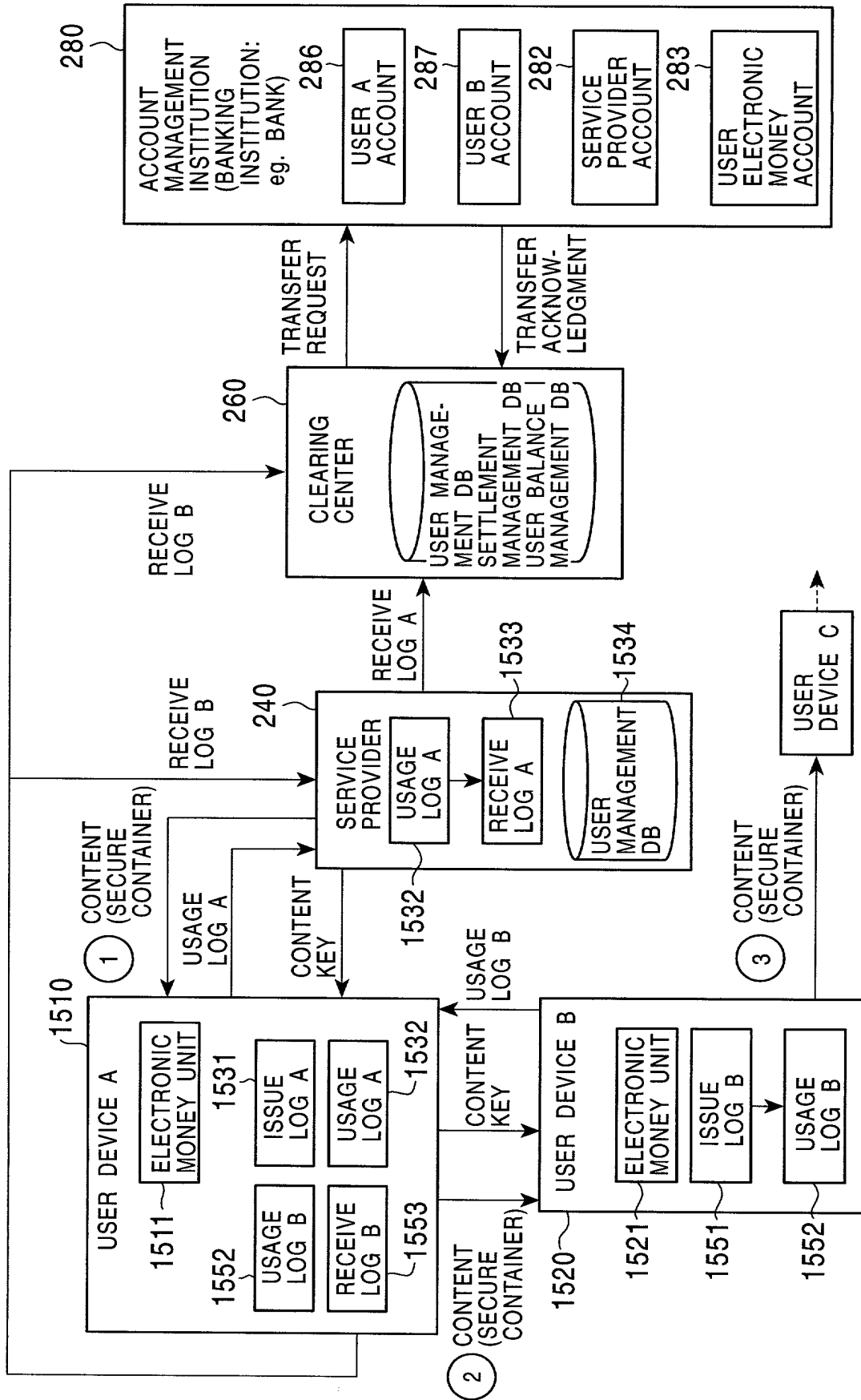


FIG. 16

1601

| |
|---|
| DATA TYPE |
| UCS TYPE |
| UCS EFFECTIVE PERIOD |
| CONTENT ID |
| ALBUM ID |
| ENCRYPTION PROCESSING UNIT ID |
| USER ID |
| CONTENT PROVIDER ID |
| UCP ID |
| UCP VERSION |
| SERVICE PROVIDER ID |
| PRICE INFORMATION ID |
| PRICE INFORMATION VERSION |
| UCS ID |
| RULE NUMBER OF RIGHT OF READ |
| RIGHT-OF-TYPE NUMBER |
| REMAINING NUMBER OF READS |
| RIGHT-OF-READ EFFECTIVE PERIOD |
| RULE NUMBER OF RIGHT OF COPY |
| RIGHT-OF-USE TYPE NUMBER |
| REMAINING NUMBER OF COPIES |
| UCS GENERATION MANAGEMENT INFORMATION |
| NUMBER OF UCS SECONDARY DELIVERIES |
| ENCRYPTION PROCESSING UNIT ID PROCESSING RIGHT OF READ |

FIG. 17

1701

| |
|---|
| DATA TYPE |
| ENCRYPTION PROCESSING UNIT ID |
| USER ID (PAYER) |
| CONTENT ID |
| CONTENT PROVIDER ID |
| UCP ID |
| UCP VERSION |
| SERVICE PROVIDER ID |
| PRICE INFORMATION ID |
| PRICE INFORMATION VERSION |
| UCS ID |
| RULE NUMBER |
| PROFIT AMOUNT/PROFIT RATE OF CONTENT PROVIDER |
| PROFIT AMOUNT/PROFIT RATE OF SERVICE PROVIDER |
| PROFIT AMOUNT/PROFIT RATE OF OTHER ORGANIZATIONS |
| UCP GENERATION MANAGEMENT INFORMATION |
| SETTING INFORMATION DATA SIZE OF CONTENT PROVIDER |
| SETTING INFORMATION OF CONTENT PROVIDER |
| SETTING INFORMATION DATA SIZE OF SERVICE PROVIDER |
| SETTING INFORMATION OF SERVICE PROVIDER |
| RECEIVED DATA |
| SERIAL NUMBER |
| SUPPLIER ID |

FIG. 18 is a block diagram of a system 1800 according to an embodiment of the present invention. The system 1800 includes a first device 1810 and a second device 1820. The first device 1810 includes an encryption processing unit 1814, a memory 1815, a control unit 1811, a content database 1812, a user information database 1813, and a communication unit 1815. The second device 1820 includes a data reading unit 1826, a control unit 1821, a communication unit 1827, a storage unit 1824, a memory 1824, a SAM electronic money unit 1828, a SAM encryption processing unit 1825, a memory storing SAM-ID, storage key K_{str} , IA public key K_{pia} , certificate of user device A, and log information 1822, and a SAM encryption processing unit 1827.

FIG. 18

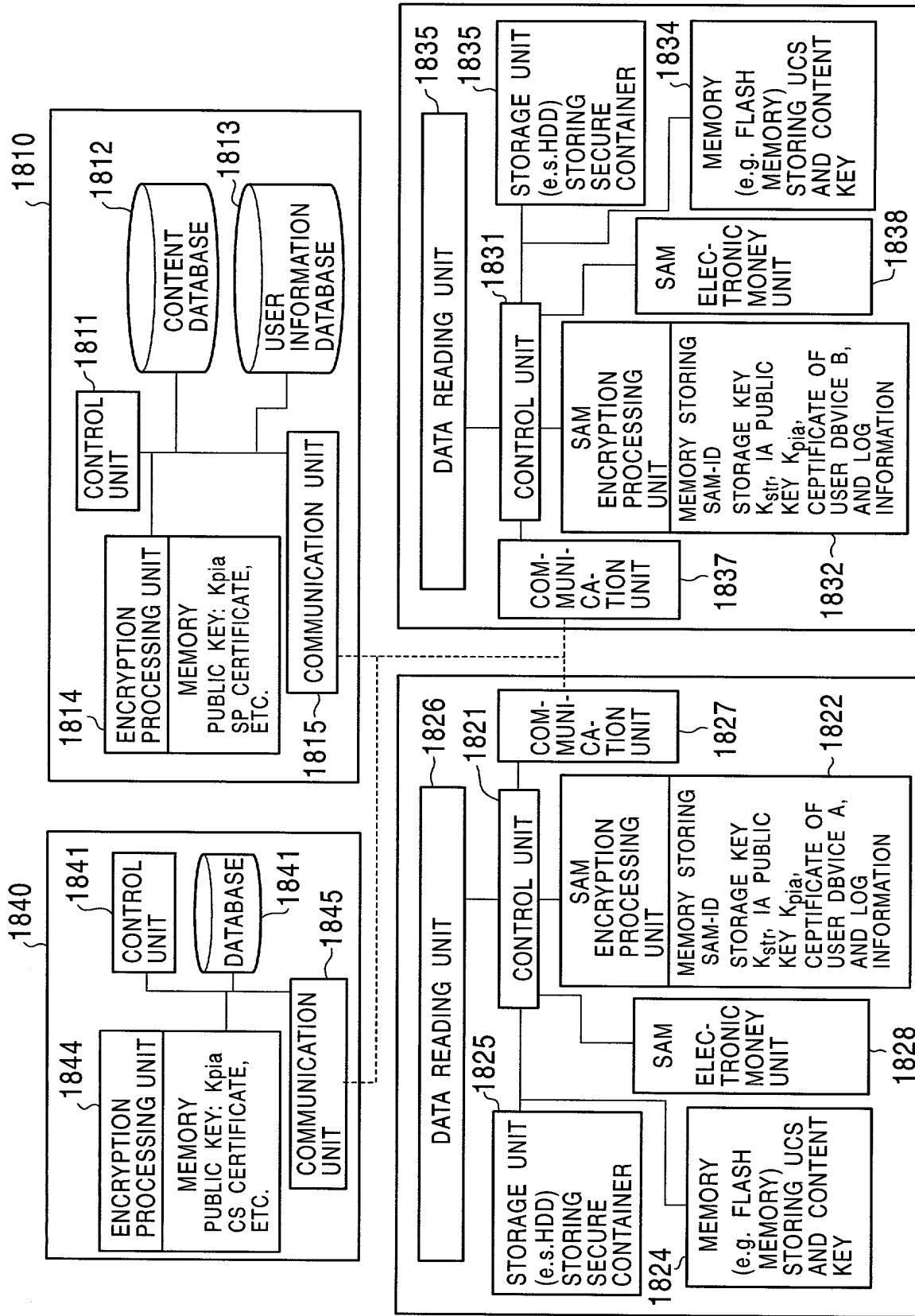


FIG. 19

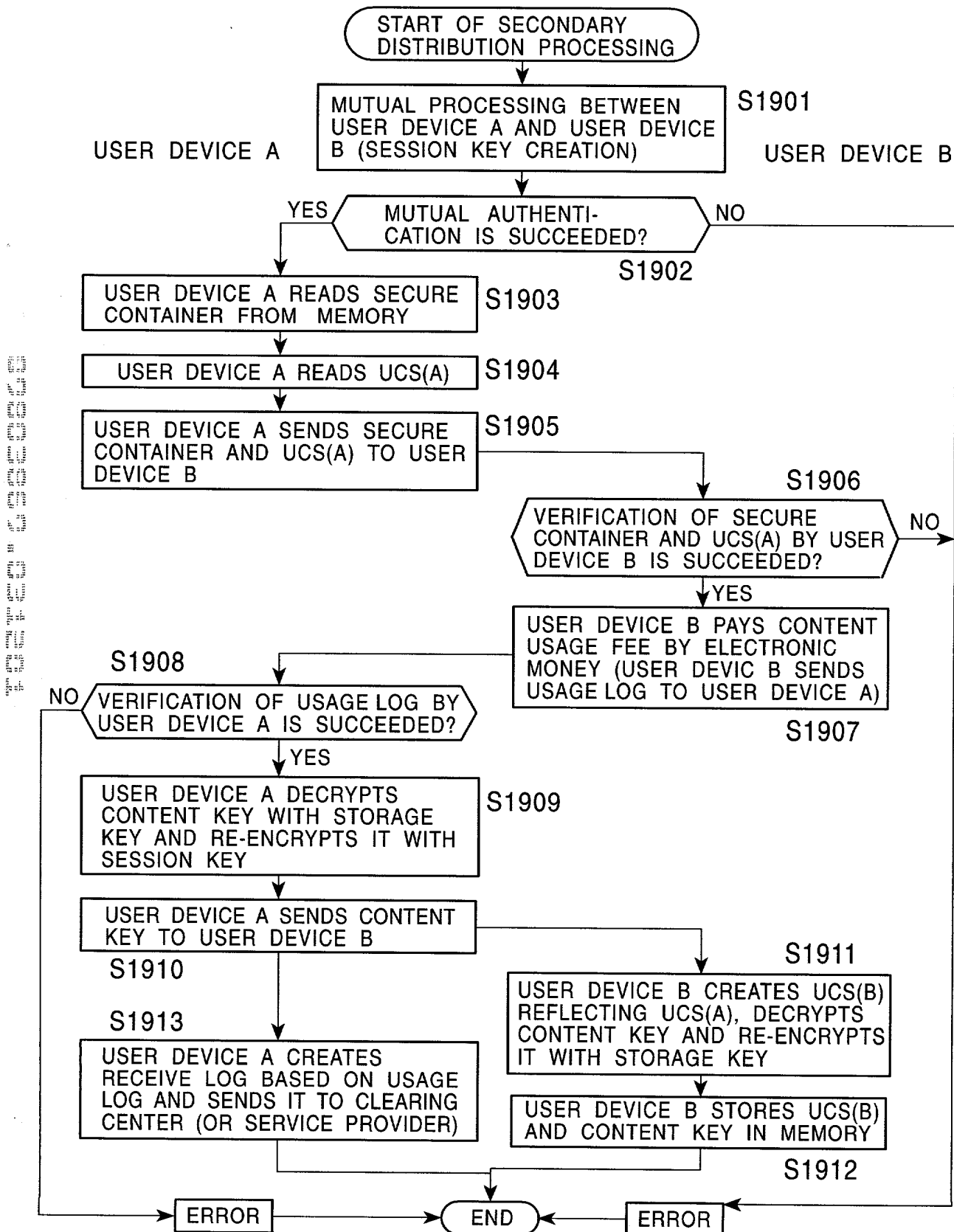


FIG. 20

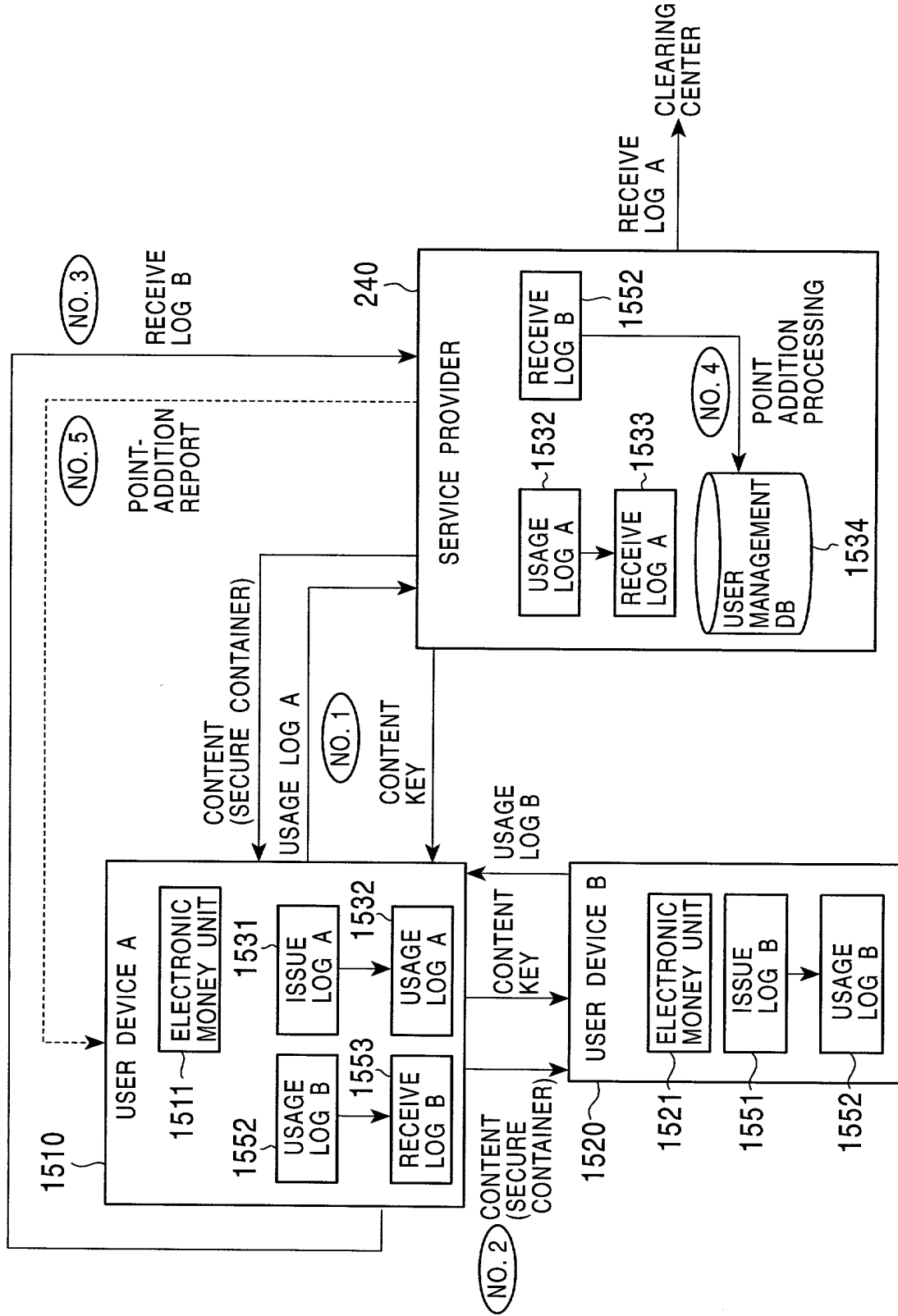


FIG. 21

| USER ID | USER DEVICE ID | CONTENT ID | RECEIVE LOG ID | POINT |
|---------|----------------|------------|----------------|-------|
| ABC0001 | CDE00021 | AAA001 | BBB001 | 02 |
| ABC0002 | CDE00027 | B05002 | BA8822 | 05 |
| ABC0003 | CDE03211 | CC0812 | BA0214 | 12 |
| . | . | . | . | . |
| . | . | . | . | . |
| . | . | . | . | . |
| BBC0231 | EED02333 | ABD325 | BAA883 | 07 |

FIG. 22

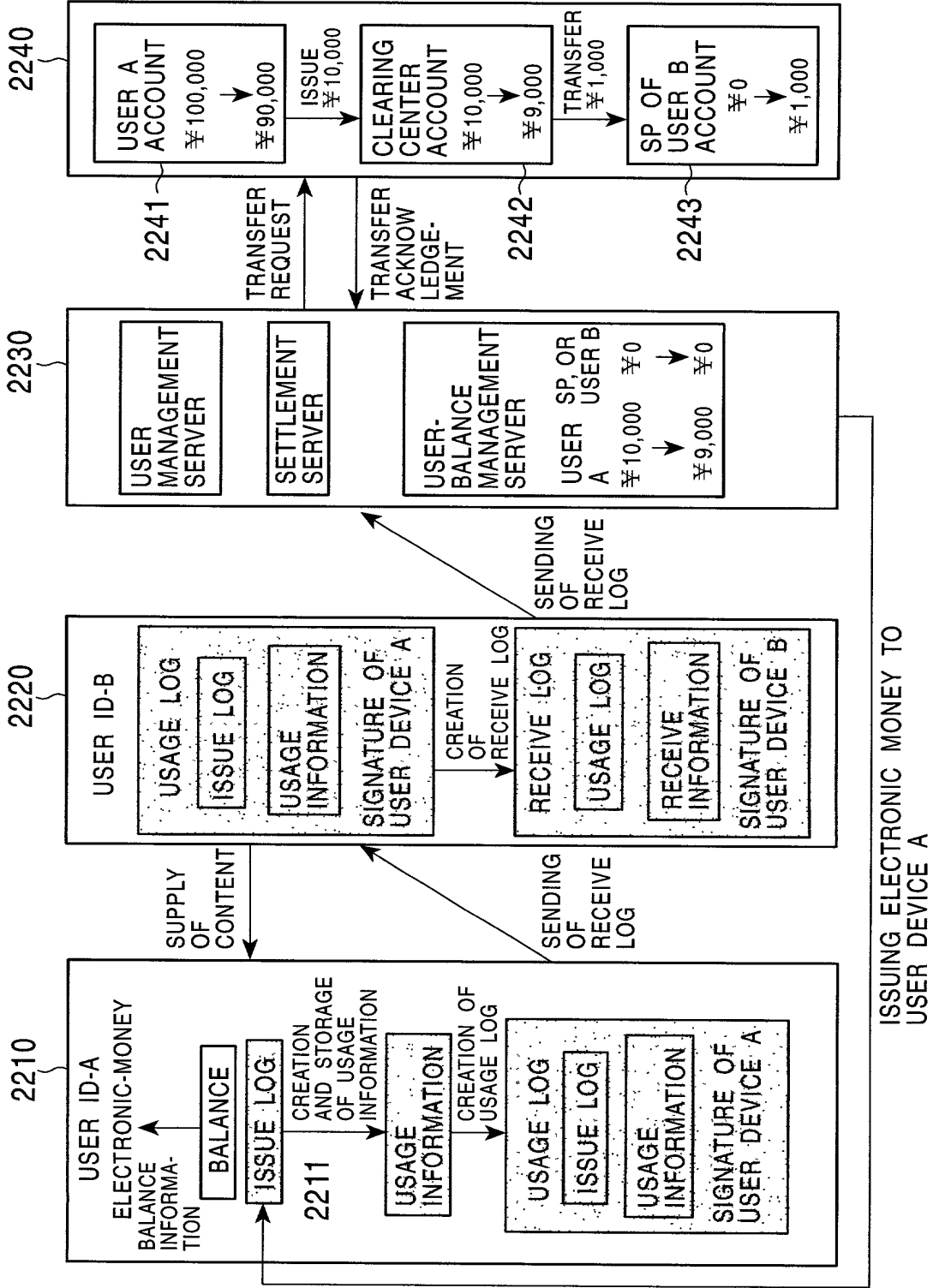


FIG. 23

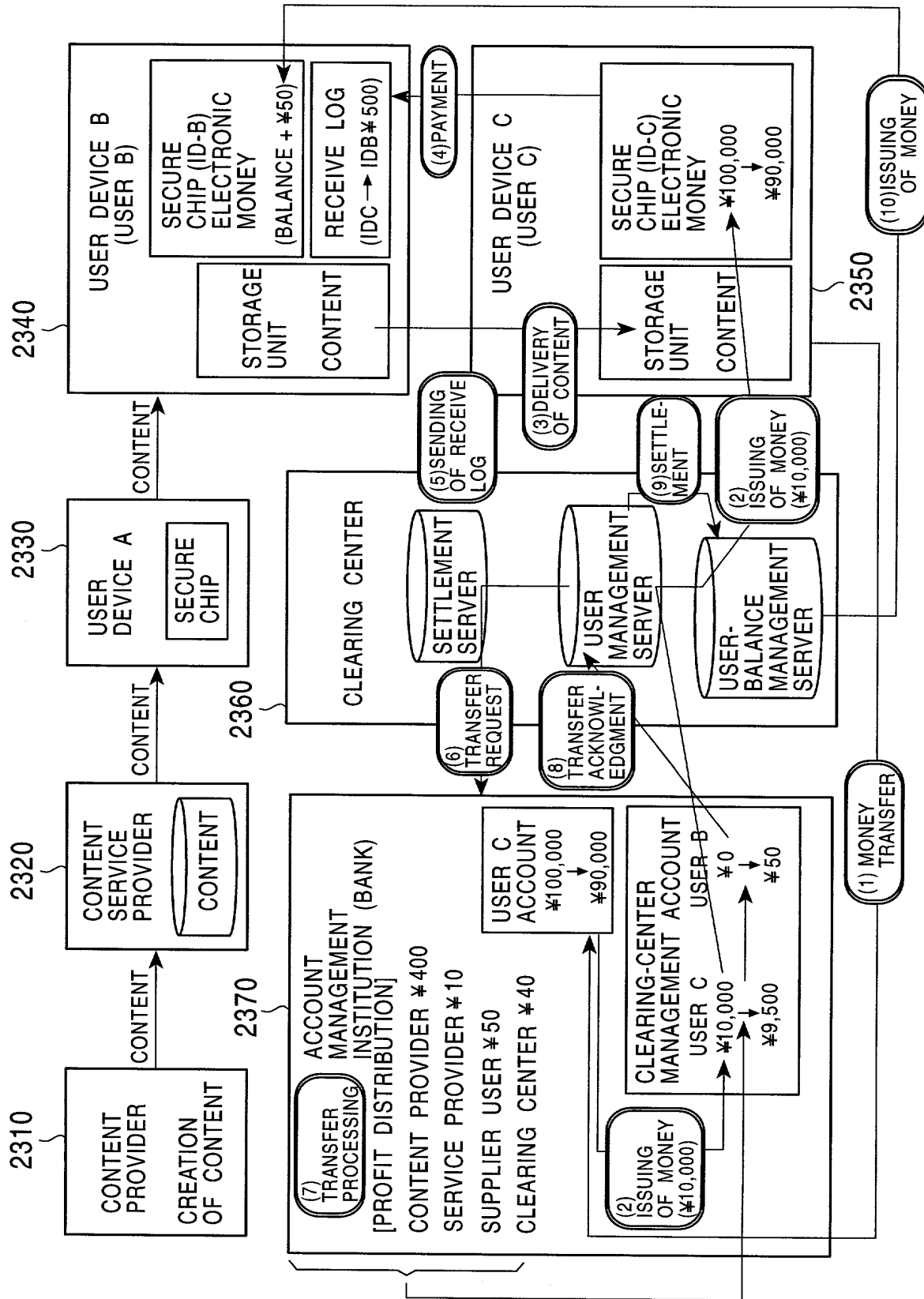


FIG. 24

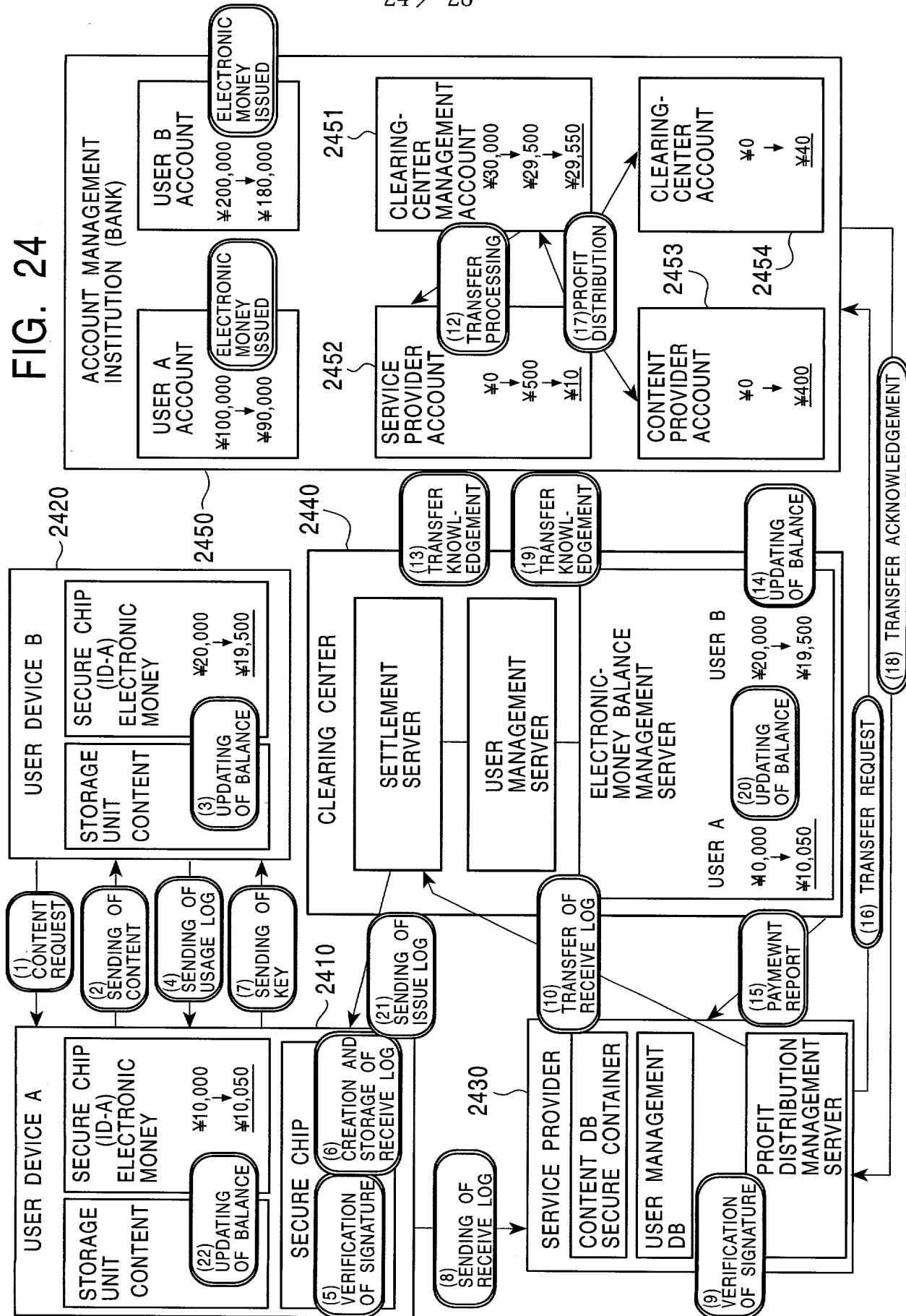
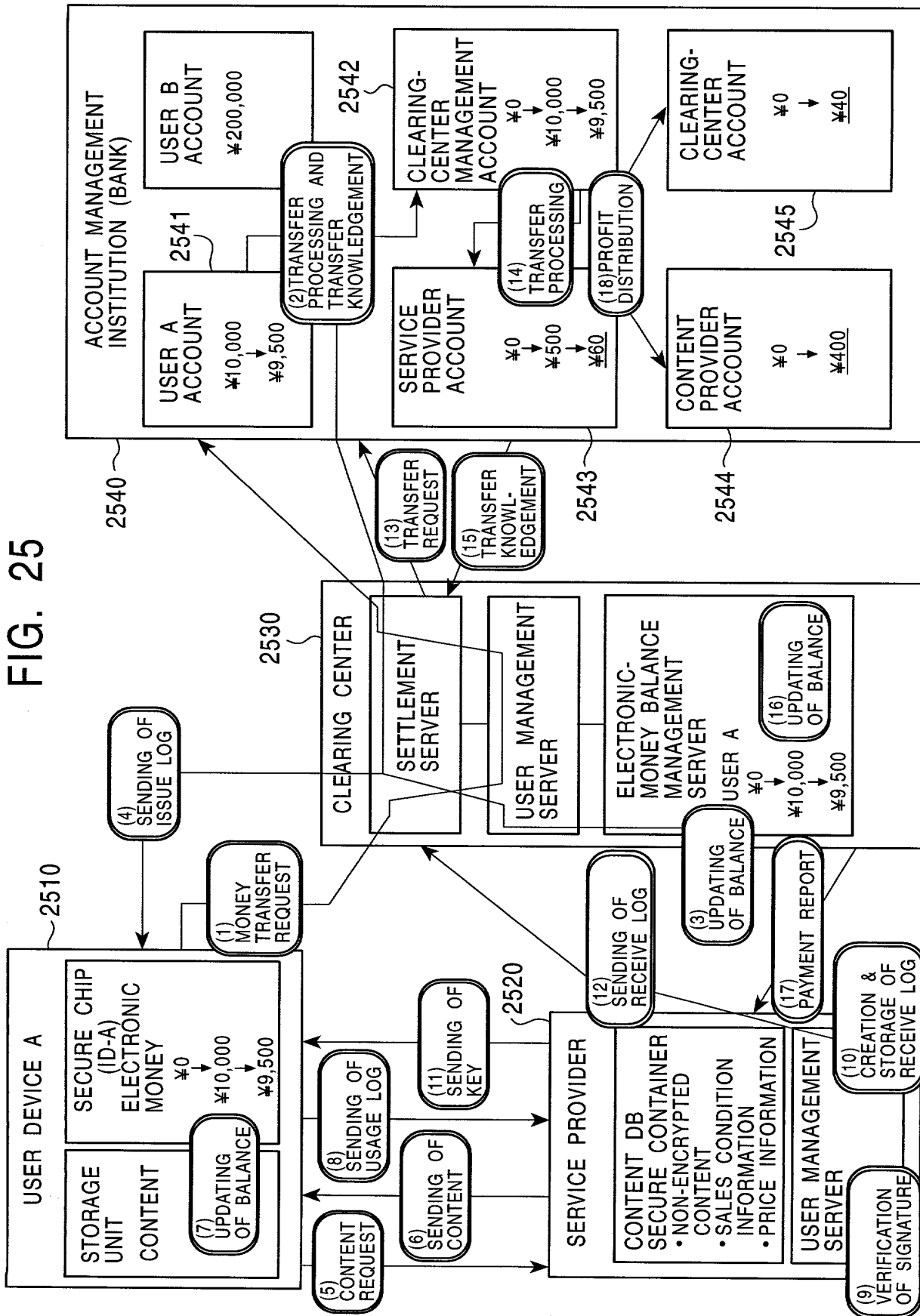


FIG. 25



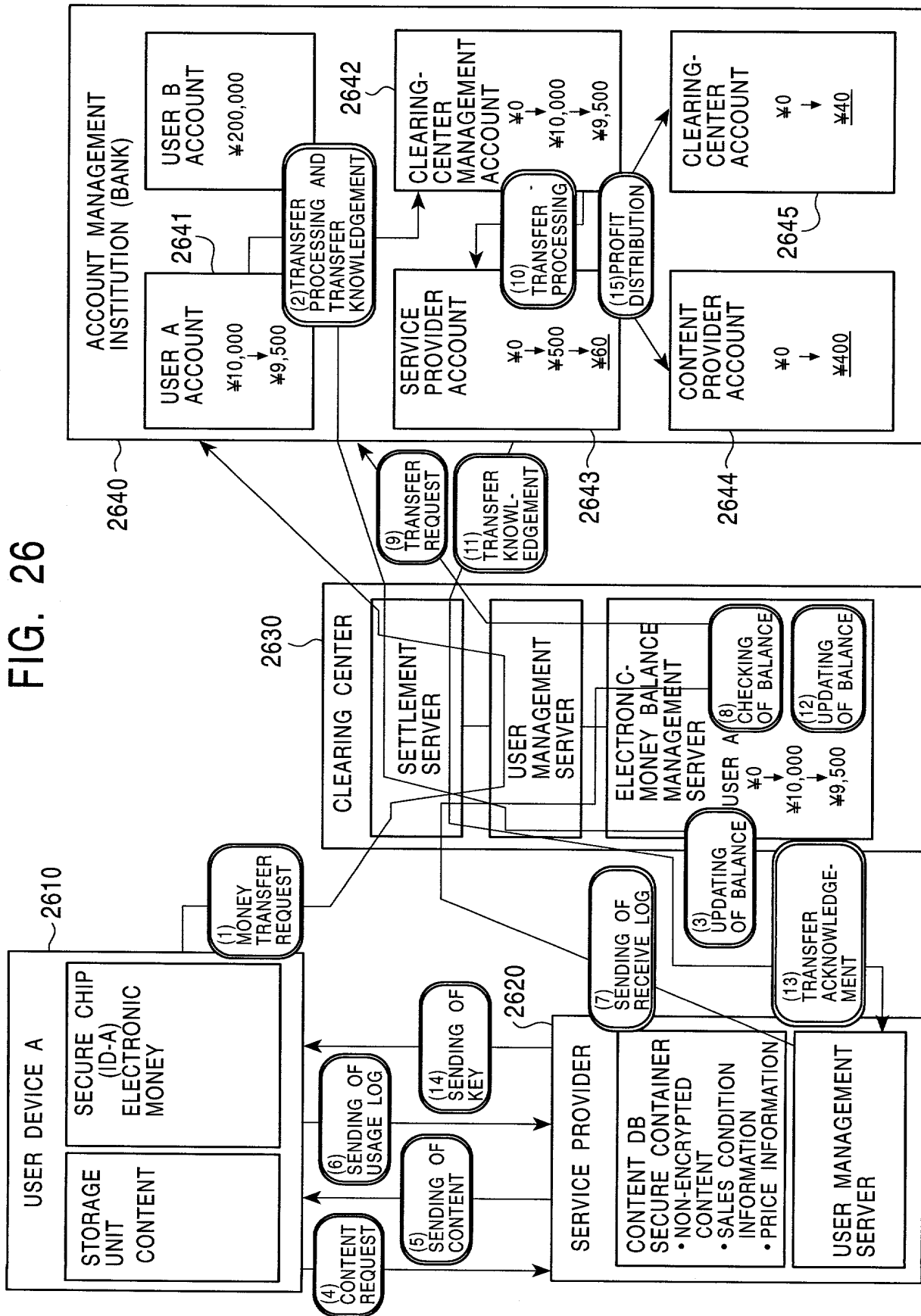


FIG. 27

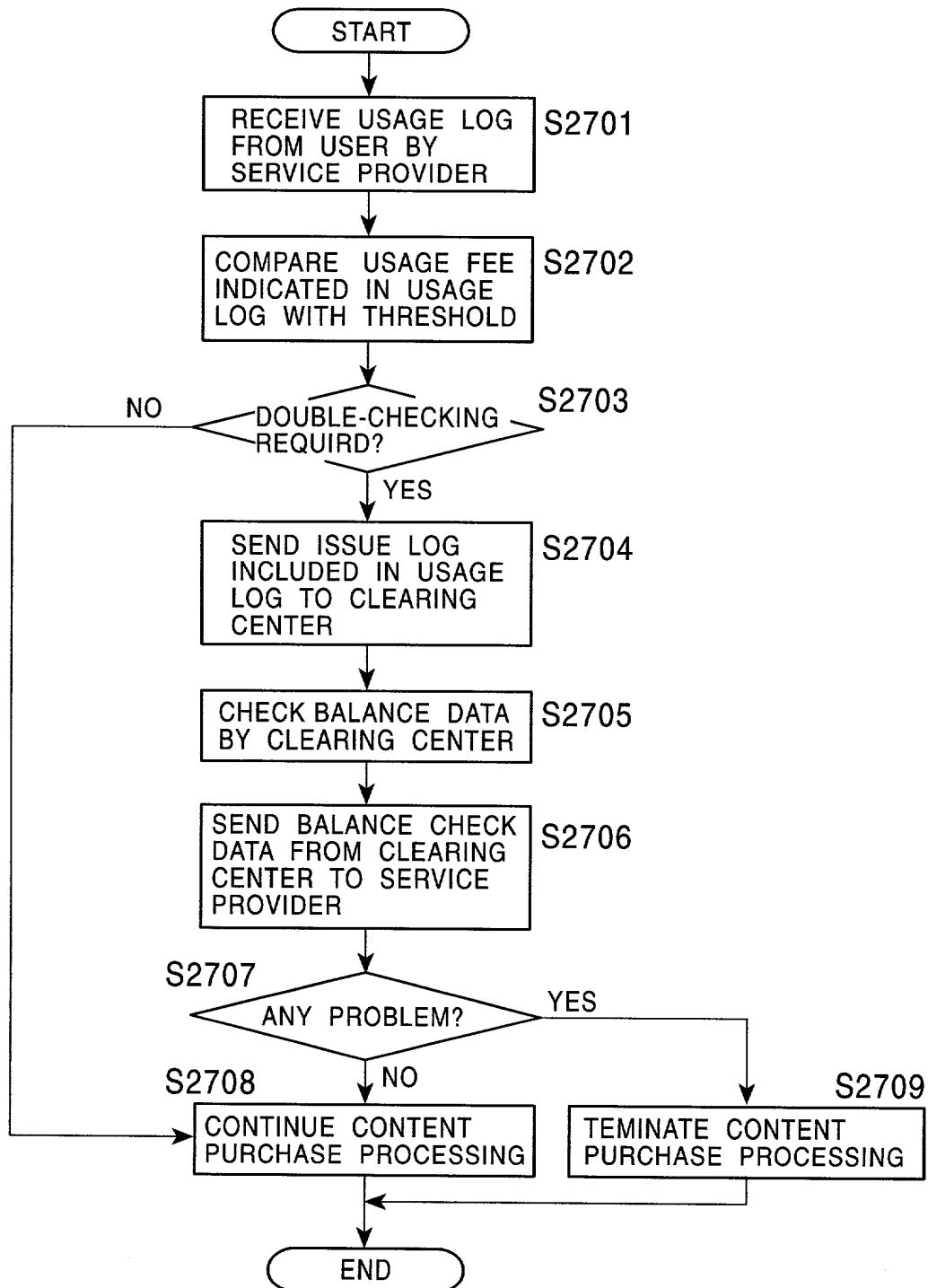


FIG. 28

